

Abstract

5 The supply unit comprises a box type profile frame (1), whose base rests on wheels (2) and on whose top side (3), a square frame (16), as seen from above, is placed, said frame containing a solar panel (7). This can be swivelled about a horizontal axis (8) and is so connected to one of the top sides of the box type profile frame (1). A peripheral, square frame (5) of same size, each containing a solar panel (6), is connected in a

10 swivelling way to each side of this square frame (16), so that out of the five square frames (16;5), a cube is formed when these frames are swivelled down. The peripherally connected square frames (5) can be swivelled to the plane of the central square frame (16) and can be locked in this position to the central square frame (16). The box type profile frame (1) contains several box type modules (24-26), which can be

15 inserted like drawers from one side and can be arrested in these inserted positions; these modules are for various functions like accumulation of energy from sun and wind, preparation of drinking water, pumping water, delivery of electric power or Direct Current- Hydrogen generation through fuel cells.

Index of numbers

	1.	Box type profile frame
5	2.	Wheels on bottom side of profile frame 1
	3.	Top side of profile frame 1
	4.	Box type profile frame on top of profile frame 1
	5.	Profile frame, peripherally connected to profile frame 4
	6.	Solar panels in profile frames 5
10	7.	Central solar panel in profile frame 4
	8.	Horizontal swivelling axis for profile frame 4 with central solar panel
	9.	Slit between solar panel 7 and profile frame 4, running perpendicular to swivelling axis 8
	10.	Vertical pole
15	11.	Wind mill
	12.	Blades of wind mill
	13.	Hub for assembly of wind mill
	14.	Carrier rod for wind tail unit
	15.	Wind tail unit
20	16.	Square frame (Top side of frame 1)
	17.	Windmill's generator
	18.	Pipe segment with generator
	19.	Middle post for strengthening
	20.	Corner braces
25	21.	Gas springs
	22.	Profiles for pole stabilizing
	23.	Hinges for peripheral square profile frames 5
	24.	Box for water pump and filter
	25.	Box for batteries and electronics
30	26.	Box for wind mill and wind tail unit
	27.	Handgrips on boxes
	28.	Hooks
	29.	Flexible hose
	30.	Do

- 31. Coupling for hose 29
- 32. Coupling for hose 30
- 33. Stop cock for coupling 31
- 34. 34. Stop cock for coupling 32
- 35. Profile section for coupling 31
- 36. Profile section for coupling 32
- 37. Flats
- 38. Nuts on U-shaped tension rods
- 39. Profile for the module
- 40. Inner side of side wall of box 24
- 41. Pump
- 42. Electric motor
- 43. Power cable for electric motor of pump 41
- 44. High pressure hose from ceramic filter to pump
- 45. Valve for evacuation of system
- 46. Brace elements
- 47. Pre-filtering device
- 48. Filter cartridge
- 49. Ceramic membrane filter device
- 50. Suction hose
- 51. Hose from pre-filter to pump
- 52. High pressure hose from pump to ceramic filter
- 53. Tubular ring as rail
- 54. Hose for receiving process water
- 55. Height adjustable props
- 56. Drive for wheels 2
- 60. Metal bands for securing generator
- 61. Strengthening profile
- 62. Rollers on frame for box
- 63. Pipe clamp for securing pipe segment 18
- 64. Bar on pipe clamp 63
- 65. Socket for taking carrier rod 14
- 66. Electric cable from generator
- 67. Batteries

- 68. Inverter (Static converter) / Rectifier unit
- 69. Electrical control unit